	Application No.	Applicant(s)	į
Notice of Allowability	09/600,661	600.661 LINSCHOTEN ET AL.	
	Examiner	Art Unit	
	Thomas McKenzie, Ph.D.	1624	
			9
The MAILING DATE of this communication apperature. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the communication or other appropriate communication is subjection is subjection is subjection in the communication is subjection in the contraction in the contraction is subjection in the contraction in the contractio	is application. If not included // ation will be mailed in due course.	. THIS
1. This communication is responsive to <u>amendments of 9/15.</u>	<u>/04</u> .		
2. X The allowed claim(s) is/are 1-9,12,14-25 and 29.	*		-
3. The drawings filed on are accepted by the Examine	er.		
<ul> <li>4.</li></ul>		f).	
2. Certified copies of the priority documents have	e been received in Application I	ło	
3. ⊠ Copies of the certified copies of the priority do			m the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a MENT of this application.	reply complying with the requireme	ents
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv	nitted. Note the attached EXAM es reason(s) why the oath or de	NER'S AMENDMENT or NOTICE claration is deficient.	OF :
<ul> <li>6.  CORRECTED DRAWINGS (as "replacement sheets") musical including changes required by the Notice of Draftspers</li> <li>1)  hereto or 2)  to Paper No./Mail Date</li> <li>(b)  including changes required by the attached Examiner Paper No./Mail Date</li> </ul>	son's Patent Drawing Review (  's Amendment / Comment or in	the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the the header according to 37 CFR :	irawings in the front (not the back) of .121(d).	or .
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATER FOR THE DEPOSIT OF BIOLO	IAL must be submitted. Note the DGICAL MATERIAL.	e
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Infor	mal Patent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sum		
2.   Notice of Dranperson's Fateric Drawing Neview (F10-940)	Paper No./Ma	il Date	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/ Paper No./Mail Date <u>1 5 11 13 &amp;9/15/04</u>		nendment/Comment	
4.   Examiner's Comment Regarding Requirement for Deposit	<u> </u>	atement of Reasons for Allowance	<b>,</b>
of Biological Material	9.  Other	Thomas C. McKenzie, Ph. Primary Examiner Art Unit 1624	ayo.

Page 2

Application/Control Number: 09/600,661

Art Unit: 1624

Inventorship

1. In view of the papers filed 9/22/04, the inventorship in this nonprovisional application has been changed by the deletion of Peder Svensson. The application will be forwarded to the Office of Initial Patent Examination (OIPE) for issuance of a corrected filing receipt, and correction of Office records to reflect the inventorship as corrected.

## **EXAMINER'S AMENDMENT**

- 2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Richard Sterner on 12/10/04. The application has been amended as follows: please enter the amendments to claims 12, 16, and 17 as shown below. Please add new claim 29.
  - 12. (currently amended) A method for inhibiting carboxypeptidase U, comprising administering an effective amount of a compound according to any one of claims 1-5.

Application/Control Number: 09/600,661

Art Unit: 1624

- 16. (currently amended) A method both for inhibiting carboxypeptidase U and for achieving an antithrombotic effect via a different mechanism, which method comprises administering a therapeutically effective total amount of:
- (i) a compound of Formula I according to claim 1, or a pharmaceutically acceptable salt or solvate thereof, or a solvate of such a salt, in admixture with a pharmaceutically acceptable adjuvant, diluent, or carrier; and
- (ii) one or more antithrombotic agents selected from the group consisting of an antiplatelet agent, thromboxane receptor inhibitor, synthetase inhibitor, fibrinogen receptor antagonist, prostacyclin mimetic, phosphodiesterase inhibitor, and an ADP-receptor (P2T) antagonist,
- in admixture with a pharmaceutically acceptable adjuvant, diluent, or carrier.
- 17. (currently amended) A method both for inhibiting carboxypeptidase U and for achieving an antithrombotic effect via a different mechanism, which method comprises administering the formulation according to claim 14.
- 29. (new) A method for treatment of thrombosis and hypercoagulability, comprising administering to a patient in need of such treatment an effective amount of a compound according to any one of claims 1-5.

Page 4

Application/Control Number: 09/600,661

Art Unit: 1624

## Statement of Reasons for Allowance

Claims 1-9, 12, 14-25, and 29 are allowed. The following is an Examiner's 3. statement of reasons for allowance: Applicants amendments to the claims and the new title overcome the two objections made in points #3 and #4 of the previous office action. The deletion of "prophylaxis" and "susceptible to" from the use claims, made in the present Examiner's amendment overcomes the enablement rejection made in point #5. The evidence supplied by Applicants, namely the scientific papers Barrow (J. Med. Chem.), Muto (Eur. J. Pharmacol.), Suzuki (J. Pharmacol. Exper. Ther.), Hashimoto (Thromb. Haeost.), Wu ((Thromb. Haeost.), Nagashima (Thromb. Res.), and Redlitz (Circulation) prove that carboxypeptidase U inhibitors, like those of the Applicants, are efficacious in monkeys, rats, rabbits, and dogs in art-recognized disease models of thrombosis and hypercoagulability. Treatment of these two diseases has support in line 6, page 17 of the specification Thus, new claim 29 is allowable. The present Examiner's and is enabled. amendments to claims 12, 16, and 17 removes reference to treatment of "conditions associated with inhibition of carboxypeptidase U". Applicants have proffered testing data to show that 40 of their compounds inhibit the enzyme carboxypeptidase U (CPU). Thus, there can be no question as to the ability of their compounds to inhibit CPU and the enablement rejection to claims 12, 16, and 17, made in point #6, is overcome. The deletion of "conditions associated with inhibition of carboxypeptidase U" also overcomes the indefiniteness rejection made in point #7.

Page 5

Application/Control Number: 09/600,661

Art Unit: 1624

4. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled

"Comments on Statement of Reasons for Allowance".

5. Information regarding the status of an application should be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through Private

PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free). All

Post-Allowance correspondence concerning this application must be mailed to the

following address:

Box Issue Fee

Commissioner for Patents

Washington, DC 20231.

Such correspondence (amendments under 37 CFR 1.312, IDS statements, formal

drawings etc) also may be faxed to the Office of Patent Publications at (703) 308-

5083. Sending Post-Allowance papers to Technology Center 1600 will only cause

delays in matching papers with the case.

homas C. McKenzie

**Primary Examiner** 

Art Unit 1624